News Release

From the Air-Conditioning and Refrigeration Institute

1501 Wilson Blvd., 6th Floor, Arlington, Virginia 22209

A0300-1A

FOR IMMEDIATE RELEASE
June 5, 1985

FOR MORE INFO: Bruce K. Davis
(703) 524-8800, telex 89-2351

Unitary shipments -----

April falls 5% from 1984

ARLINGTON, Va. -- U.S. shipments of unitary air conditioners and heat pumps during April totalled 300,186, a decrease of 5.0 percent from April 1984. Year-to-date shipments were 1,096,550, down 1.3 percent from January-April 1984.

Included were 58,049 shipments of heat pumps, 8.6 percent less than April a year ago. Cumulative shipments of heat pumps for the first four months of 1985 were 244,192, a decrease of 1.9 percent from January-April 1984.

(See reverse side for Condensed Summary by Size.)

NOTE TO EDITORS: The preceding totals have been expedited to better meet your deadlines. Information about monthly factory stocks, distributor shipments, distributor inventories, U.S. dollar bookings of hermetic centrifugals, and U.S. dollar bookings of reciprocating liquid chillers will be added to an update release expected about June 12. The information in these two news releases also will continue to be reported each month in our Koldfax newsletter. -- Mike Heininger, Comm-PR Director

###

AIR-CONDITIONING AND REFRIGERATION INSTITUTE
1501 Wilson Blvd., Suite 600, Arlington, Virginia 22209

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments

Date APRIL, 1985

UNITED STATES

	SIZE BTUH (000)		NUMBER OF UNITS			
			CONDENSER-TYPE			
			AIR OR EVAP. COOLED A	WATER COOLED B	U.S. TOTAL C	% CHG. FROM 1984
CONDENSED SUMMARY BY SIZE	Under 16.5		5476		5476	1.2-
	16.5-21.9		33672		33672	11.3-
	22-26.9		63496		63496	3.1-
	27-32.9		52542		52542	12.8-
	33-38.9		66034	80	66114	9.4+
	39-43.9		20581		20581	30.6-
	44-53.9		25168		25168	14.7+
	54-64.9		20958	150	21108	6.4-
	65-96.9		4805	64	4869	6.8-
	97-134.9		3502	60	3562	6.1+
	135-184.9		1841	61	1902	4.9+
	185-249.9		507	43	550	9.2-
	250-319.9		218	44	262	19.9-
	320-379.9		254	61	315	19.8+
	380-539.9		216	48	264	9.5+
	540-639.9		157	6	163	16.4+
	640 and over		130	12	142	8.4-
	TOTAL		299557	629	300186	5.0-

News Release

From the Air-Conditioning and Refrigeration Institute

1501 Wilson Blvd., 6th Floor, Arlington, Virginia 22209

FOR IMMEDIATE RELEASE
June 5, 1985

FOR MORE INFO: Bruce K. Davis
(703) 524-8800, telex 89-2351

Field-engineered equipment -----

Estimated installed value climbs 9.7% in 1984

ARLINGTON, Va. - The estimated installed value of field-engineered air-conditioning equipment in the United States climbed 9.7 percent in 1984 to $5,303,865,000, up from $4,834,200,000 in 1983.

Estimated installed value of unitary equipment jumped 25.8 percent, from $7,125,914,000 in 1983 to $8,963,353,000 in 1984. Combined, the estimated installed value of unitary equipment and field-engineered equipment, not including window air conditioners, rose 19.3 percent to $14,267,218,000.

Determinations of the installed value figure for field-engineered systems assume that only 7.5 percent of a system's cost represents the basic refrigeration machine. The remaining 92.5 percent represents air-handling equipment, labor, ducts, controls, plumbing, and other installation costs.

Field-engineered systems represented in this summary are the largest air conditioning systems, ranging in size from 20-ton capacity on up. In contrast to unitary equipment, field engineered systems are assembled on site.

(more)

ESTIMATED INSTALLED VALUE OF FIELD-ENGINEERED EQUIPMENT

YEAR	VALUE ($)
1969	1,999,267,000
1970	2,136,040,000
1971	2,120,120,000
1972	1,945,293,000
1973	1,968,547,000
1974	2,082,507,000
1975	2,308,494,000
1976	1,915,227,000
1977	1,969,920,000
1978	2,066,920,000
1979	2,447,173,000
1980	3,438,600,000
1981	3,669,120,000
1982	3,605,533,000
1983	4,834,200,000
1984	5,303,865,000

###

News Release

From the Air-Conditioning and Refrigeration Institute

1501 Wilson Blvd., 6th Floor, Arlington, Virginia 22209

FOR IMMEDIATE RELEASE
June 5, 1985

FOR MORE INFO: Bruce K. Davis
(703) 524-8800, telex 89-2351

Unitary air-conditioning equipment -----

Estimated installed value jumps 25.8% in 1984

ARLINGTON, Va. -- The estimated installed value of unitary air-conditioning equipment in the United States jumped 25.8 percent from 1983 to 1984, exceeding $8 billion for the first time and almost reaching $9 billion.

The Air-Conditioning and Refrigeration Institute reports that installed value of unitary equipment was $8,963,353,000 in 1984, a substantial increase over the 1983 $7,125,914,000 figure.

Commercial installations accounted for $3,100,712,000 of the total installed equipment while residential unitary installed equipment amounted to $5,862,641,000. These estimates, compiled from information supplied by manufacturers, are provided by ARI's Business Research Department.

"Installed value" includes the cost of a unitary air conditioner as shipped from the factory plus the cost of labor, ductwork, registers and grilles, thermostatic and other controls, electrical wiring, and other components of the system which is engineered by the contractor or dealer.

"Unitary" represents the equipment used in most central residential installations plus some commercial and industrial installations which use packaged equipment.

The following totals show the growth of the unitary air-conditioning market over the past 29 years, particularly in central residential installations.

(more)

ESTIMATED INSTALLED VALUE OF UNITARY AIR CONDITIONERS

YEAR	RESIDENTIAL	COMMERCIAL	TOTAL
1956	$174,011,400	$290,796,100	$464,807,500
1957	176,230,800	226,582,300	402,813,100
1958	204,602,850	219,489,200	424,092,050
1959	266,675,850	283,136,700	549,812,550
1960	318,477,150	312,648,350	631,125,500
1961	338,139,000	280,286,300	618,425,300
1962	408,623,850	345,652,300	754,276,150
1963	451,360,800	390,610,800	841,971,600
1964	532,020,800	464,249,600	996,270,400
1965	632,567,600	543,029,600	1,175,597,200
1966	718,252,000	671,604,400	1,389,856,400
1967	783,604,000	749,020,000	1,532,624,000
1968	950,191,600	834,616,000	1,784,807,600
1969	1,295,766,400	981,417,200	2,277,183,600
1970	1,360,817,315	986,784,758	2,347,602,073
1971	1,649,497,029	1,095,759,074	2,745,256,103
1972	2,163,792,878	1,352,464,750	3,516,257,628
1973	2,582,223,238	1,570,293,253	4,152,516,691
1974	2,433,902,714	1,477,470,080	3,911,372,974
1975	1,791,216,492	1,164,231,182	2,955,447,674
1976	2,683,372,806	1,437,146,797	4,120,519,603
1977	3,264,487,814	1,541,671,701	4,806,159,515
1978	3,940,958,613	1,587,475,305	5,528,433,918
1979	3,990,624,988	1,945,812,933	5,936,442,921
1980	3,355,429,440	1,830,580,224	5,186,009,644
1981	3,795,551,720	2,268,348,029	6,081,899,749
1982	3,328,428,632	1,875,735,504	5,204,164,136
1983	4,935,690,000	2,190,224,000	7,125,914,000
1984	5,862,641,000	3,100,712,000	8,963,353,000

###

ARI
News Release
From the Air-Conditioning and Refrigeration Institute
1501 Wilson Blvd., 6th Floor, Arlington, Virginia 22209

FOR IMMEDIATE RELEASE
June 5, 1985

FOR MORE INFO: Bruce K. Davis
(703) 524-8800, telex 89-2351

Unitary equipment shipments -----

Commercial paces 1984 surge

ARLINGTON, Va. - Shipments of unitary air-conditioning equipment for use in both commercial and residential installations increased significantly in 1984, according to the Air-Conditioning and Refrigeration Institute.

Equipment for use in residential installations increased 17.1 percent in 1984, while equipment for use in commercial installations surged 65.2 percent. The estimated residential units shipped totalled 2,678,748 in 1984, representing 81.0 percent of installed equipment. The other 19.0 percent of installed equipment was the estimated 629,680 commercial units shipped.

Total value of shipments exceed $3 billion for the first time, reaching $3,405,126 by the end of 1984.

The 1984 figures are in marked contrast to those of 31 years earlier when such statistics first were available. In 1953, 66.9 percent of unitary shipments were for commercial installations and only 33.1 percent were for residential installations. Two years later, however, in 1955, residential units accounted for 56.5 percent of units shipped. Since then, increases in residential units shipped have continued to outdistance gains in commercial units shipped.

Following are year-by-year summaries highlighting the changing distribution patterns of residential and commercial unitary air-conditioning equipment. The role of exports is apparent from data after 1960, the first year export statistics were available.

(more)

	VALUE ($)	PERCENT
1953		
Residential	41,992	33.1
Commercial	84,821	66.9
Total	126,813	
1954		
Residential	80,001	49.7
Commercial	80,908	50.3
Total	160,909	
1955		
Residential	111,158	56.5
Commercial	85,703	43.5
Total	196,861	
1956		
Residential	147,224	57.9
Commercial	107,179	42.1
Total	254,403	
1957		
Residential	126,071	58.1
Commercial	90,971	41.9
Total	217,042	
1958		
Residential	140,988	61.2
Commercial	89,553	38.8
Total	230,541	
1959		
Residential	191,923	62.6
Commercial	114,891	37.4
Total	306,814	
1960		
Residential	217,148	63.7
Commercial	123,974	36.3
U.S. Shipments	341,122	
Export Shipments	9,300	
Total Shipments	350,442	
1961		
Residential	238,206	66.9
Commercial	118,000	33.1
U.S. Shipments	356,206	
Export Shipments	9,558	
Total Shipments	365,764	

(more)

		VALUE ($)	PERCENT
1962			
	Residential	305,190	67.0
	Commercial	150,318	33.0
	U.S. Shipments	455,508	
	Export Shipments	12,211	
	Total Shipments	467,719	
1963			
	Residential	400,759	70.8
	Commercial	164,896	29.2
	U.S. Shipments	565,655	
	Export Shipments	14,444	
	Total Shipments	580,099	
1964			
	Residential	483,593	70.7
	Commercial	200,743	29.3
	U.S. Shipments	684,336	
	Export Shipments	17,233	
	Total Shipments	701,569	
1965			
	Residential	580,997	72.1
	Commercial	224,743	27.9
	U.S. Shipments	805,740	
	Export Shipments	20,682	
	Total Shipments	826,422	
1966			
	Residential	652,736	69.6
	Commercial	285,147	30.4
	U.S. Shipments	937,883	
	Export Shipments	20,663	
	Total Shipments	958,546	
1967			
	Residential	714,025	69.9
	Commercial	308,027	30.1
	U.S. Shipments	1,022,052	
	Export Shipments	25,179	
	Total Shipments	1,047,231	
1968			
	Residential	847,387	70.4
	Commercial	356,812	29.6
	U.S. Shipments	1,204,199	
	Export Shipments	30,412	
	Total Shipments	1,234,611	

(more)

	VALUE ($)	PERCENT
1969		
Residential	1,174,570	73.3
Commercial	426,774	26.7
U.S. Shipments	1,601,344	
Export Shipments	33,681	
Total Shipments	1,635,025	
1970		
Residential	1,172,223	74.6
Commercial	399,768	25.4
U.S. Shipments	1,571,991	
Export Shipments	44,027	
Total Shipments	1,616,018	
1971		
Residential	1,408,413	76.8
Commercial	424,905	23.2
U.S. Shipments	1,833,318	
Export Shipments	43,561	
Total Shipments	1,876,879	
1972		
Residential	1,826,519	76.3
Commercial	565,811	23.7
U.S. Shipments	2,392,330	
Export Shipments	44,125	
Total Shipments	2,436,455	
1973		
Residential	2,147,546	77.6
Commercial	620,246	22.4
U.S. Shipments	2,767,792	
Export Shipments	71,642	
Total Shipments	2,839,434	
1974		
Residential	1,889,577	79.1
Commercial	499,847	20.9
U.S. Shipments	2,389,424	
Export Shipments	99,404	
Total Shipments	2,488,828	
1975		
Residential	1,174,578	76.2
Commercial	366,906	23.8
U.S. Shipments	1,541,484	
Export Shipments	81,013	
Total Shipments	1,622,487	

(more)

		VALUE ($)	PERCENT
1976			
	Residential	1,700,682	78.8
	Commercial	458,528	21.2
	U.S. Shipments	2,159,210	
	Export Shipments	168,349	
	Total Shipments	2,327,559	
1977			
	Residential	1,999,924	81.2
	Commercial	464,516	18.8
	U.S. Shipments	2,464,440	
	Export Shipments	150,681	
	Total Shipments	2,615,121	
1978			
	Residential	2,284,530	84.2
	Commercial	430,107	15.8
	U.S. Shipments	2,714,637	
	Export Shipments	106,842	
	Total Shipments	2,821,479	
1979			
	Residential	2,128,237	80.5
	Commercial	522,360	19.5
	U.S. Shipments	2,680,597	
	Export Shipments	113,313	
	Total Shipments	2,793,910	
1980			
	Residential	1,720,849	79.4
	Commercial	455,865	20.6
	U.S. Shipments	2,166,714	
	Export Shipments	126,366	
	Total Shipments	2,293,080	
1981			
	Residential	1,828,991	77.3
	Commercial	538,492	22.7
	U.S. Shipments	2,367,483	
	Export Shipments	130,769	
	Total Shipments	2,498,252	
1982			
	Residential	1,465,094	78.7
	Commercial	396,149	21.3
	U.S. Shipments	1,861,243	
	Export Shipments	98,280	
	Total Shipments	1,959,523	

(more)

		VALUE ($)	PERCENT
1983			
	Residential	2,287,159	85.7
	Commercial	381,162	14.3
	U.S. Shipments	2,668,321	
	Export Shipments	76,407	
	Total Shipments	2,744,728	
1984			
	Residential	2,678,748	81.0
	Commercial	629,680	19.0
	U.S. Shipments	3,308,428	
	Export Shipments	96,698	
	Total Shipments	3,405,126	

###

ARI
News Release
From the Air-Conditioning and Refrigeration Institute
1501 Wilson Blvd., 6th Floor, Arlington, Virginia 22209

A0300-1A

FOR IMMEDIATE RELEASE
June 12, 1985

FOR MORE INFO: Bruce K. Davis
(703) 524-8800, telex 89-2351

Unitary shipments -----

April falls 5% from 1984

ARLINGTON, Va. -- U.S. shipments of unitary air conditioners and heat pumps during April totalled 300,186, a decrease of 5.0 percent from April 1984. Year-to-date shipments were 1,096,550, down 1.3 percent from January-April 1984.

Included were 58,049 shipments of heat pumps, 8.6 percent less than April a year ago. Cumulative shipments of heat pumps for the first four months of 1985 were 244,192, a decrease of 1.9 percent from January-April 1984.

April factory stocks were up 65,800 units from March, up about 93,500 units over April 1984.

April distributor shipments were up 2 percent from April 1984, and year-to-date shipments are up 7 percent.

Distributor inventories were up 20,100 units compared to March, but down some 7,700 units from April 1984.

April U.S. dollar bookings of hermetic centrifugals were up 106 percent, making the year-to-date percentage up 79 percent compared to 1984.

April U.S. dollar bookings of reciprocating liquid chillers were up 15 percent, increasing the year-to-date gain to 21 percent.

(Condensed Summary by Size previously provided in June 5 release.)

###

News Release

From the Air-Conditioning and Refrigeration Institute

1501 Wilson Blvd., 6th Floor, Arlington, Virginia 22209

FOR IMMEDIATE RELEASE
June 12, 1985

FOR MORE INFO: Bruce K. Davis
(703) 524-8800, telex 89-2351

Correction-----

In a June 5, 1985 ARI news release, "Commercial paces 1984 surge," the column reading "value" should have read "units."

ARI regrets the error and trusts that this update will clarify any resulting confusion.

###

ARI
News Release
from the Air-Conditioning and Refrigeration Institute
1501 Wilson Blvd., 6th Floor, Arlington, VA 22209 • (703) 524-8800

A0300-1A

FOR IMMEDIATE RELEASE
July 9, 1985

FOR MORE INFO: Bruce K. Davis
(703) 524-8800, telex 89-2351

Unitary shipments -----

May drops 5.5% from 1984

ARLINGTON, Va. -- U.S. shipments of unitary air conditioners and heat pumps during May totalled 324,777, a decrease of 5.5 percent from May 1984. Year-to-date shipments were 1,421,327, down 2.3 percent from January-May 1984.

Included were 70,235 shipments of heat pumps, 2.3 percent less than May a year ago. Cumulative shipments of heat pumps for the first five months of 1985 were 314,427, a decrease of 2.0 percent from January-May 1984.

(See reverse side for Condensed Summary by Size.)

NOTE TO EDITORS: The preceding totals have been expedited to better meet your deadlines. Information about monthly factory stocks, distributor shipments, distributor inventories, U.S. dollar bookings of hermetic centrifugals, and U.S. dollar bookings of reciprocating liquid chillers will be added to an update release expected about July 16. The information in these two news releases also will continue to be reported each month in our Koldfax newsletter. -- Mike Heininger, Comm-PR Director

###

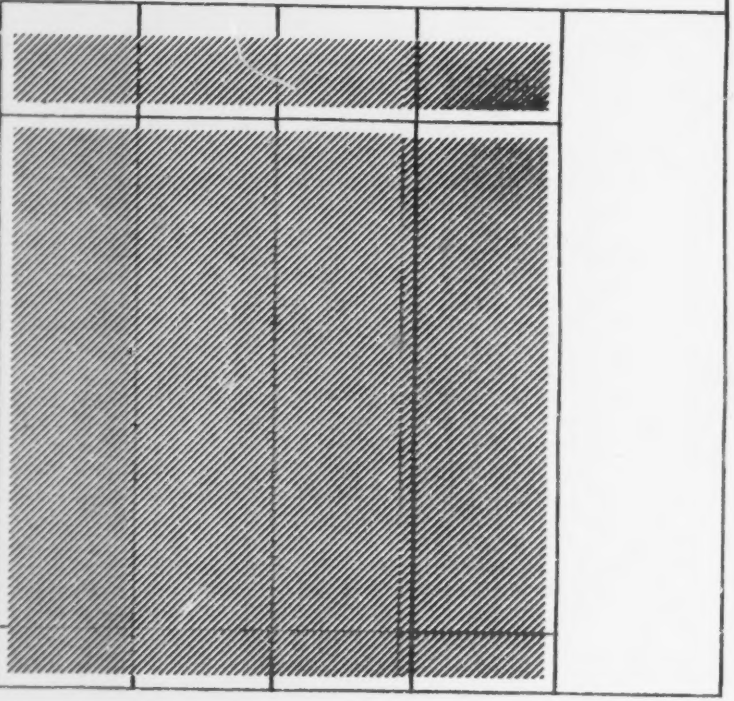
AIR-CONDITIONING AND REFRIGERATION INSTITUTE
1501 Wilson Blvd., Suite 600, Arlington, Virginia 22209

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments

Date MAY 1985

UNITED STATES

	SIZE BTUH (000)		NUMBER OF UNITS CONDENSER-TYPE AIR OR EVAP. COOLED A	WATER COOLED B	U.S. TOTAL C	% CHG. FROM 1984
CONDENSED SUMMARY BY SIZE	Under 16.5		9672		9672	69.3+
	16.5-21.9		38691		38691	1.1+
	22-26.9		70277		70277	6.0-
	27-32.9		53710		53710	17.7-
	33-38.9		68632	118	68750	6.7-
	39-43.9		21735		21735	9.7-
	44-53.9		24876		24876	.9+
	54-64.9		23745	244	23989	1.0-
	65-96.9		5061	137	5198	2.8-
	97-134.9		3294	120	3414	3.7-
	135-184.9		2310	53	2363	3.2+
	185-249.9		795	33	828	27.0+
	250-319.9		306	35	341	17.8-
	320-379.9		309	47	356	43.5+
	380-539.9		215	19	234	6.4-
	540-639.9		124	25	149	1.4+
	640 and over		172	22	194	23.6+
	TOTAL		323924	853	324777	5.5-



ARI
News Release
from the Air-Conditioning and Refrigeration Institute
1501 Wilson Blvd., 6th Floor, Arlington, VA 22209 • (703) 524-8800

A0300-1A

FOR IMMEDIATE RELEASE
July 18, 1985

FOR MORE INFO: Bruce K. Davis
(703) 524-8800, telex 89-2351

Unitary shipments -----

May drops 5.5% from 1984

ARLINGTON, Va. -- U.S. shipments of unitary air conditioners and heat pumps during May totalled 324,777, a decrease of 5.5 percent from May 1984. Year-to-date shipments were 1,421,327, down 2.3 percent from January-May 1984.

Included were 70,235 shipments of heat pumps, 2.3 percent less than May a year ago. Cumulative shipments of heat pumps for the first five months of 1985 were 314,427, a decrease of 2.0 percent from January-May 1984.

May factory stocks were up 16,500 units over March, up about 120,300 units over May 1984.

May distributor shipments were down 5 percent from May 1984, but year-to-date shipments are up 4 percent.

Distributor inventories were up 29,300 units compared to April, but down some 10,500 units from May 1984.

May U.S. dollar bookings of hermetic centrifugals were up 14 percent, making the year-to-date percentage up 64 percent compared to 1984.

May U.S. dollar bookings of reciprocating liquid chillers were down 7 percent, increasing the year-to-date gain to 15 percent.

(Condensed Summary by Size previously provided in July 9 release.)

###